

To: Members, NCITS T10 Technical Committee

From: R Roberts RBC Technical Editor

Subject: Public Review Comments for RBC (rbc-r08a.pdf)

cc: Ralph Weber LSI Logic

cc: Pete McLean RBC Project Leader

cc: John Lohmeyer T10 Chair

Comment resolution review will be held on July 12, 1999 in Colorado Springs, CO during T10 week. All PDF page references are to rbc-r08a.pdf.

LSI #1 In 3.1.6, "one or more logical units" should be replaced with "more than one logical unit"

Response: Accepted & completed

LSI #2 In 3.1.8, "status" should be at the start of a new clause.

Response: Accepted & completed

LSI #3 3.3 should be at the top of a page.

Response: Accepted & completed

LSI #4 In the last sentence of clause 4, the term 'controller' is not a SCSI term defined in SAM or SPC (or the RBC glossary). I recommend replacing 'controller' with 'device server' or 'target'.

Response: Accepted & completed

LSI #5 In 4.1 and other locations listed below, the usage of 'set' as a synonym for 'set to 1' is not consistent with standard English nor is 'set' defined to have this meaning as a keyword. On correction would be to define 'set' as a keyword, but since numerous locations in RBC already use 'set' in accordance with its common English meaning, I would prefer to see all non-English uses of 'set' changed. The following locations use 'set' in a manner needing change:

PDF page 19 bullet c) - 'If the READD bit is set,'

PDF page 19 bullet c) - 'If the WRITED bit is set,'

PDF page 21 last paragraph before 4.2.5 - 'If the RMB bit in the standard INQUIRY command data is not set,'

PDF page 35 last sentence on page - 'If the RMB bit in the standard INQUIRY command data is not set, then the LOCKD bit shall be set.'

PDF page 39 6.4 - 'if the REMOVABLE MEDIUM BIT (RMB) bit is set in the INQUIRY command standard data.'

PDF page 53 first note on the page - 'bit that is to be set'

The usage of 'clear' as a synonym for 'set to zero' has the same problem of non-English usage. However, not so many occurrences of this problem are present in RBC. The following locations use 'clear' in a manner needing change:

PDF page 53 first note on the page - 'or cleared if a Status_Block'

Response: Accepted & completed all locations

LSI #7 In the first sentence of 4.2, the phrase "Unlike the SPC-2 specification," is not correct and should be removed. SPC-2 specifies the REQUEST SENSE command as 'Z' (Command implementation is device type specific) and SEND DIAGNOSTIC as 'O' (Command implementation is optional). T10 made these changes in SPC-2 so that RBC usage would not have to conflict with statements in SPC-2. RBC should at least do SPC-2 and T10 the courtesy of accepting the efforts made in its behalf.

Response: Accepted & completed

LSI #8 In 4.2.3, the following sentence is vague:

"Initiators may determine the progress of the remaining command execution in several ways."

Since the 'command execution' under discussion is a format operation, the following is recommended: "Initiators may determine the progress of the format operation in several ways."

Response: Accepted & completed

LSI #9 In 4.2.3, the following sentence should have the space removed between 'methods' and the period.

"RBC devices may provide format progress information using one of three methods ."

Response: Accepted & completed

LSI #10 In 4.4, the following statement is unclear (and may contain a requirement that is unacceptable to LSI):

"For the requirements of this standard, reservations and releases made by the use of the PERSISTANT RESERVATION IN and PERSISTANT RESERVATION OUT commands are the same as those using the RESERVE and RELEASE commands."

If the following statement is a non-substantive substitute for the above, then LSI has no objections (otherwise, LSI reserves the right to object to the publication of RBC):

"Statements made in this standard regarding reserve and release operations apply equally to the PERSISTANT RESERVATION IN, PERSISTANT RESERVATION OUT, RESERVE and RELEASE commands."

It is unacceptable to LSI for RBC to specify that reservations made with the PERSISTENT RESERVE OUT command function identically to reservations made by the RESERVE command, which is one possible interpretation of the RBC sentence questioned above.

Response: Accepted see Clause 4.4 and 4.4.1

LSI #11 In 4.4.1, the following paragraph should be removed as extent reservations are no longer defined in SPC-2.

"If an initiator has an extent reservation on a device, and another initiator attempts a MODE SELECT command, a reservation conflict occurs if the command affects the manner of accessing the extent by the first initiator. If the command does not affect access to the extent, or parameters are saved for each initiator, then a reservation conflict does not occur."

Response: Accepted and removed paragraph.

LSI #12 If persistent reservations are being included in RBC, then it would be best to model 4.4.1 after the SBC information in SPC-2 Annex B.

Response: Accepted added last paragraph to sub-clause 4.4

LSI #13 In table 1, PERSISTENT RESERVE IN, PERSISTENT RESERVE OUT, RELEASE(6), and RESERVE(6) do not need the footnote reference on SPC-2 since they are not mentioned in clause 6.

Response: Accepted & completed

LSI #14 In 5.1 the first sentence, 'FORMAT UNIT' should be full caps, not small caps.

Response: Accepted & completed

LSI #15 In 5.1 second paragraph after table 2 in the following text 'values of the PERCENT/TIME and the INCREMENT bit', 'bit' should be 'bits'.

Response: Accepted & completed

LSI #16 In 5.1 second paragraph after table 2, 'Refer to clause 4.2' should be 'Refer to 4.2'.

Response: Accepted, changed to 'Refer to sub-clause 4.2.3'.

LSI #17 In 5.1 third paragraph after table 2, the first occurrence of 'Increment' should not be capitalized, i.e., 'increment' in small caps, not 'Increment' in small caps.

Response: Accepted & completed

LSI #18 5.1 fourth paragraph after table 2, two instances of 'will' need to be changed to 'shall'. This suggests that a global search and replace needs to be undertaken for words such as 'will', 'can', 'must', 'would', 'should', and 'might'.

Response: Accepted & completed

LSI #19 5.1 first paragraph after the note, 'information' should be in lower case small caps.

Response: Accepted & completed

LSI #20 5.1 second and third paragraphs after the note, there is no FORMAT REMOVABLE MEDIA command. The command is FORMAT UNIT. Also, if the statements in these paragraphs are specific to the formatting of removable media, then that fact needs to be stated somehow after the command name has been corrected to FORMAT UNIT.

Response: Changed command name to FORMAT UNIT.

LSI #21 In 5.2 the last sentence before 5.3, the sentence seems redundant and probably should be removed. The same problem appears in 5.6 regarding the last sentence before 5.7, and in 5.7 the last sentence of the second paragraph after table 11.

Response: Accepted & completed

LSI #22 In 5.3, removed the double quote from the beginning of the first sentence table 4.

Response: Accepted & completed

LSI #23 In 5.4 the first sentence, 'table 6' should not be bold.

Response: Accepted & completed

LSI #24 In 5.4, add the following sentence immediately before 5.4.1:

"The other fields in the START STOP UNIT command are described in the clauses below."

Response: Accepted & completed

LSI #25 In 5.4.1 table 7, change the key to read:

"M = Support for this power condition is mandatory."

"O = Support for this power condition is optional."

Response: Accepted & completed

LSI #26 In 5.4.1 the description of device control, change 'RBC mode page 6' to 'RBC mode page (see 5.8.2)'. This suggests that a global search should be made to find references to the RBC mode page. All references to the mode page should be give the same content and the content should include '(see 5.8.2)'.

Response: Accepted & completed

LSI #27 In 5.7 third paragraph after table 11, change 'them media' to 'the media'.

Response: Accepted & completed

LSI #28 In 5.8.1 first sentence, 'XXXXX' should be replaced with a reference to table 12.

Response: Accepted & completed

LSI #29 In 5.8.1 after table 12, a description of the mode parameter header is required here. The following description would be adequate:

"The mode parameter header is described in SPC-2. For RBC devices the MEDIUM TYPE, DEVICE-SPECIFIC PARAMETER and BLOCK DESCRIPTOR LENGTH fields shall contain zero."

Response: Accepted & completed

LSI #30 In 5.8.2 first paragraph after table 13, the 'WCD' in the first line should be in lower case small caps.

Response: Accepted & completed

LSI #31 In 6.1 forth and fifth paragraphs after table 15, remove the double quote marks at the beginning of these paragraphs. Also remove the double quote mark at the end of the fifth paragraph after table 15.

Response: Accepted & completed

LSI #32 In 6.1 fifth paragraph after table 15, the reference should be to 'table 15' not to 'table 14'.

Response: Accepted & completed

LSI #33 In 6.2 second paragraph after table 16. A period is required at the end of the first sentence in the paragraph.

Response: Accepted & completed

LSI #34 In 6.2.1 first sentence, 'SP' should be in lower case small caps.

Response: Accepted & completed

LSI #35 In 7.4.4 second sentence after table 31, 'For EVENT field values other than 02hThe TIME field' should be -'For EVENT field values other than 02h, the TIME field'.

Response: Accepted & completed

LSI #36 There is no text in A.5. Either some text should appear in the clause, or it should be removed.

Response: Accepted & completed

LSI #37 Annex B is not listed in the table of contents.

Response: Accepted & completed

LSI #38 In Annex B, '(Informative' should be '(Informative)'.)

Response: Accepted & completed

LSI #39 In Annex B, should SPC-2 be listed? The purpose of the Bibliography and its relationship to clause 2 is unclear.

Response: No. It is listed clause 2.

LSI 40# It appears that the GET EVENT STATUS NOTIFICATION command is not defined in RBC. The several references to GET EVENT STATUS NOTIFICATION need to have pointers to the place of definition.

Response: GET EVENT STATUS NOTIFICATION is currently only defined in MMC-2. Added reference to MMC-2 in clause 2

LSI 41# SBP-2 can be moved from 'under development' clause 2.2 to 'approved references' clause 2.1. Note the ANSI standard number also should replace the T10 project number.

Response: Accepted & completed (NCITS number is 325-1998)